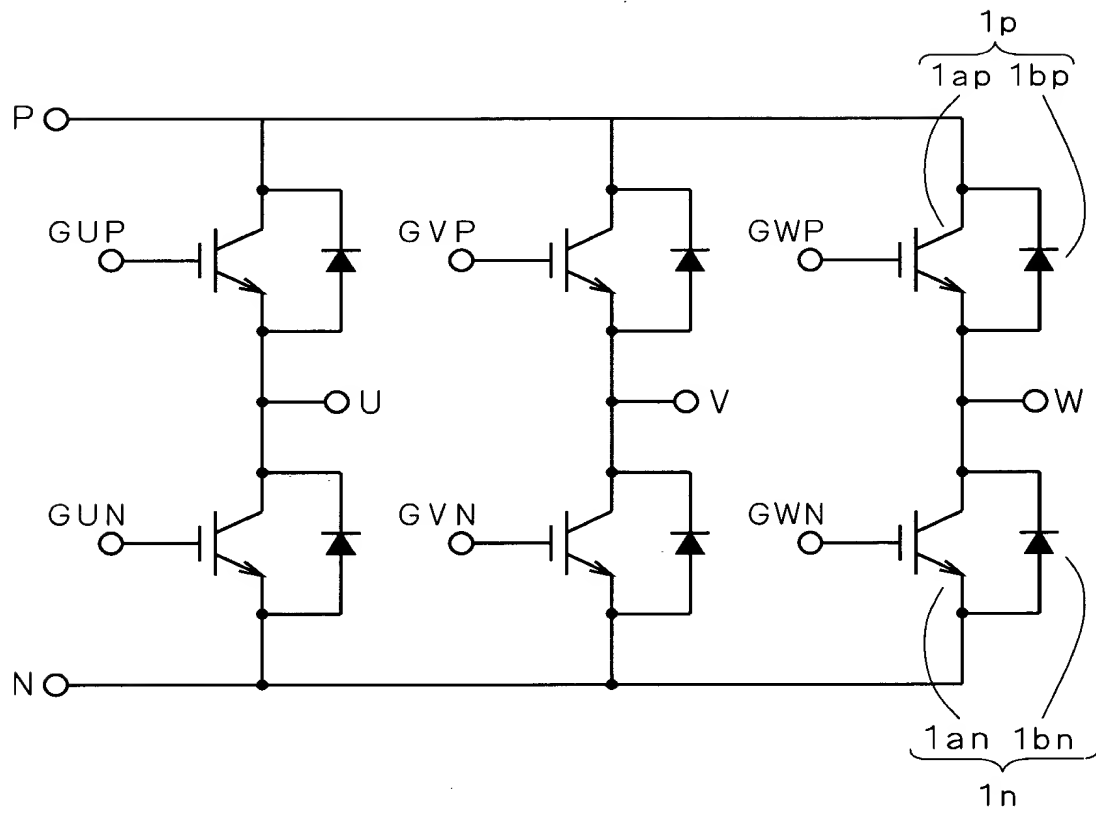


FIG. 1



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The diagram illustrates the internal structure of a semiconductor device, likely a memory array or logic circuit. It features three main horizontal sections labeled GUP, GVP, and GWP on the left side, which correspond to input/output ports U, V, and W on the right side. The central area contains multiple rows of rectangular blocks, each containing smaller square elements connected by lines. These blocks are labeled with various identifiers: 1ap, 1bp, 1an, 1bn, 2c, 2a, 2b, 2n, 2p, 2q, 2r, 2s, 2t, 2u, 2v, 2w, 2x, 2y, 2z, 2aa, 2ab, 2ac, 2ad, 2ae, 2af, 2ag, 2ah, 2ai, 2aj, 2ak, 2al, 2am, 2an, 2ao, 2ap, 2aq, 2ar, 2as, 2at, 2au, 2av, 2aw, 2ax, 2ay, 2az, 2ba, 2bb, 2bc, 2bd, 2be, 2bf, 2bg, 2bh, 2bi, 2bj, 2bk, 2bl, 2bm, 2bn, 2bo, 2bp, 2bq, 2br, 2bs, 2bt, 2bu, 2bv, 2bw, 2bx, 2by, 2bz, 2ca, 2cb, 2cc, 2cd, 2ce, 2cf, 2cg, 2ch, 2ci, 2cj, 2ck, 2cl, 2cm, 2cn, 2co, 2cp, 2cq, 2cr, 2cs, 2ct, 2cu, 2cv, 2cw, 2cx, 2cy, 2cz, 2da, 2db, 2dc, 2dd, 2de, 2df, 2dg, 2dh, 2di, 2dj, 2dk, 2dl, 2dm, 2dn, 2do, 2dp, 2dq, 2dr, 2ds, 2dt, 2du, 2dv, 2dw, 2dx, 2dy, 2dz, 2ea, 2eb, 2ec, 2ed, 2ee, 2ef, 2eg, 2eh, 2ei, 2ej, 2ek, 2el, 2em, 2en, 2eo, 2ep, 2eq, 2er, 2es, 2et, 2eu, 2ev, 2ew, 2ex, 2ey, 2ez, 2fa, 2fb, 2fc, 2fd, 2fe, 2ff, 2fg, 2fh, 2fi, 2fj, 2fk, 2fl, 2fm, 2fn, 2fo, 2fp, 2fq, 2fr, 2fs, 2ft, 2fu, 2fv, 2fw, 2fx, 2fy, 2fz, 2ga, 2gb, 2gc, 2gd, 2ge, 2gf, 2gg, 2gh, 2gi, 2gj, 2gk, 2gl, 2gm, 2gn, 2go, 2gp, 2gq, 2gr, 2gs, 2gt, 2gu, 2gv, 2gw, 2gx, 2gy, 2gz, 2ha, 2hb, 2hc, 2hd, 2he, 2hf, 2hg, 2hh, 2hi, 2hj, 2hk, 2hl, 2hm, 2hn, 2ho, 2hp, 2hq, 2hr, 2hs, 2ht, 2hu, 2hv, 2hw, 2hx, 2hy, 2hz, 2ia, 2ib, 2ic, 2id, 2ie, 2if, 2ig, 2ih, 2ii, 2ij, 2ik, 2il, 2im, 2in, 2io, 2ip, 2iq, 2ir, 2is, 2it, 2iu, 2iv, 2iw, 2ix, 2iy, 2iz, 2ja, 2jb, 2jc, 2jd, 2je, 2jf, 2jg, 2jh, 2ji, 2jj, 2jk, 2jl, 2jm, 2jn, 2jo, 2jp, 2jq, 2jr, 2js, 2jt, 2ju, 2jv, 2jw, 2jx, 2jy, 2jz, 2ka, 2kb, 2kc, 2kd, 2ke, 2kf, 2kg, 2kh, 2ki, 2kj, 2kk, 2kl, 2km, 2kn, 2ko, 2kp, 2kq, 2kr, 2ks, 2kt, 2ku, 2kv, 2kw, 2kx, 2ky, 2kz, 2la, 2lb, 2lc, 2ld, 2le, 2lf, 2lg, 2lh, 2li, 2lj, 2lk, 2ll, 2lm, 2ln, 2lo, 2lp, 2lq, 2lr, 2ls, 2lt, 2lu, 2lv, 2lw, 2lx, 2ly, 2lz, 2ma, 2mb, 2mc, 2md, 2me, 2mf, 2mg, 2mh, 2mi, 2mj, 2mk, 2ml, 2mm, 2mn, 2mo, 2mp, 2mq, 2mr, 2ms, 2mt, 2mu, 2mv, 2mw, 2mx, 2my, 2mz, 2na, 2nb, 2nc, 2nd, 2ne, 2nf, 2ng, 2nh, 2ni, 2nj, 2nk, 2nl, 2nm, 2nn, 2no, 2np, 2nq, 2nr, 2ns, 2nt, 2nu, 2nv, 2nw, 2nx, 2ny, 2nz, 2oa, 2ob, 2oc, 2od, 2oe, 2of, 2og, 2oh, 2oi, 2oj, 2ok, 2ol, 2om, 2on, 2oo, 2op, 2oq, 2or, 2os, 2ot, 2ou, 2ov, 2ow, 2ox, 2oy, 2oz, 2pa, 2pb, 2pc, 2pd, 2pe, 2pf, 2pg, 2ph, 2pi, 2pj, 2pk, 2pl, 2pm, 2pn, 2po, 2pp, 2pq, 2pr, 2ps, 2pt, 2pu, 2pv, 2pw, 2px, 2py, 2pz, 2qa, 2qb, 2qc, 2qd, 2qe, 2qf, 2qg, 2qh, 2qi, 2qj, 2qk, 2ql, 2qm, 2qn, 2qo, 2qp, 2qq, 2qr, 2qs, 2qt, 2qu, 2qv, 2qw, 2qx, 2qy, 2qz, 2ra, 2rb, 2rc, 2rd, 2re, 2rf, 2rg, 2rh, 2ri, 2rj, 2rk, 2rl, 2rm, 2rn, 2ro, 2rp, 2rq, 2rr, 2rs, 2rt, 2ru, 2rv, 2rw, 2rx, 2ry, 2rz, 2sa, 2sb, 2sc, 2sd, 2se, 2sf, 2sg, 2sh, 2si, 2sj, 2sk, 2sl, 2sm, 2sn, 2so, 2sp, 2sq, 2sr, 2ss, 2st, 2su, 2sv, 2sw, 2sx, 2sy, 2sz, 2ta, 2tb, 2tc, 2td, 2te, 2tf, 2tg, 2th, 2ti, 2tj, 2tk, 2tl, 2tm, 2tn, 2to, 2tp, 2tq, 2tr, 2ts, 2tt, 2tu, 2tv, 2tw, 2tx, 2ty, 2tz, 2ua, 2ub, 2uc, 2ud, 2ue, 2uf, 2ug, 2uh, 2ui, 2uj, 2uk, 2ul, 2um, 2un, 2uo, 2up, 2uq, 2ur, 2us, 2ut, 2uu, 2uv, 2uw, 2ux, 2uy, 2uz, 2va, 2vb, 2vc, 2vd, 2ve, 2vf, 2vg, 2vh, 2vi, 2vj, 2vk, 2vl, 2vm, 2vn, 2vo, 2vp, 2vq, 2vr, 2vs, 2vt, 2vu, 2vv, 2vw, 2vx, 2vy, 2vz, 2wa, 2wb, 2wc, 2wd, 2we, 2wf, 2wg, 2wh, 2wi, 2wj, 2wk, 2wl, 2wm, 2wn, 2wo, 2wp, 2wq, 2wr, 2ws, 2wt, 2wu, 2wv, 2ww, 2wx, 2wy, 2wz, 2xa, 2xb, 2xc, 2xd, 2xe, 2xf, 2xg, 2xh, 2xi, 2xj, 2xk, 2xl, 2xm, 2xn, 2xo, 2xp, 2xq, 2xr, 2xs, 2xt, 2xu, 2xv, 2xw, 2xx, 2xy, 2xz, 2ya, 2yb, 2yc, 2yd, 2ye, 2yf, 2yg, 2yh, 2yi, 2yj, 2yk, 2yl, 2ym, 2yn, 2yo, 2yp, 2yq, 2yr, 2ys, 2yt, 2yu, 2yv, 2yw, 2yx, 2yy, 2yz, 2za, 2zb, 2zc, 2zd, 2ze, 2zf, 2zg, 2zh, 2zi, 2zj, 2zk, 2zl, 2zm, 2zn, 2zo, 2zp, 2zq, 2zr, 2zs, 2zt, 2zu, 2zv, 2zw, 2zx, 2zy, 2zz.

FIG. 3

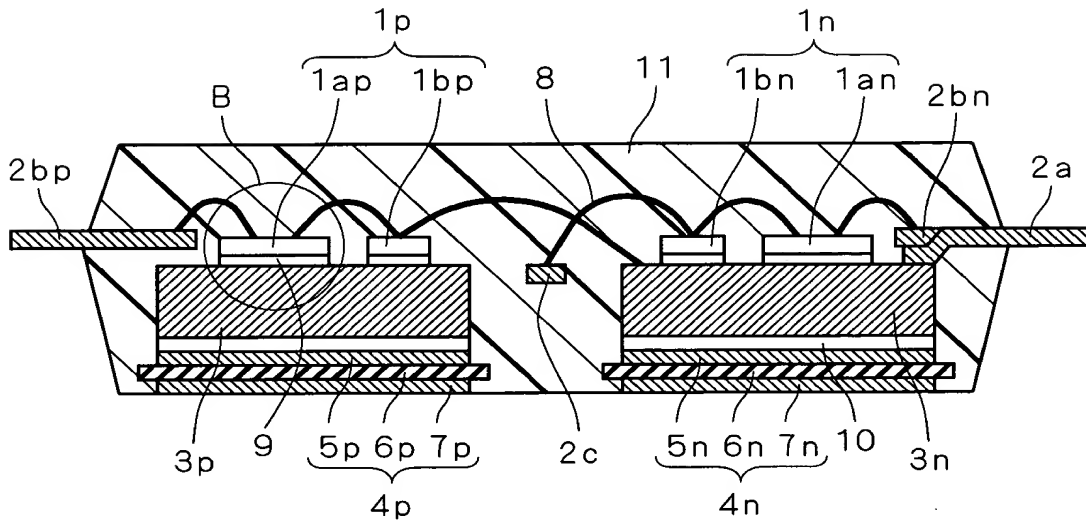
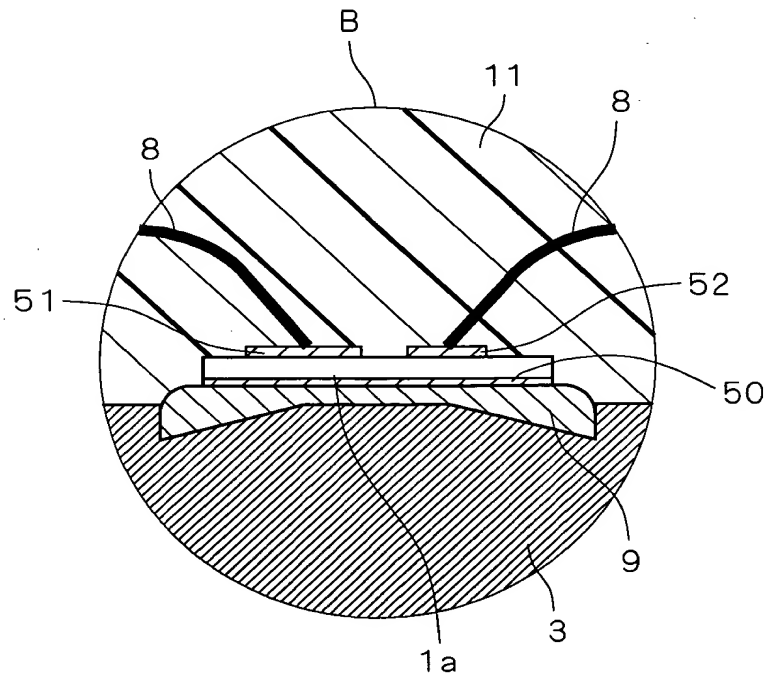
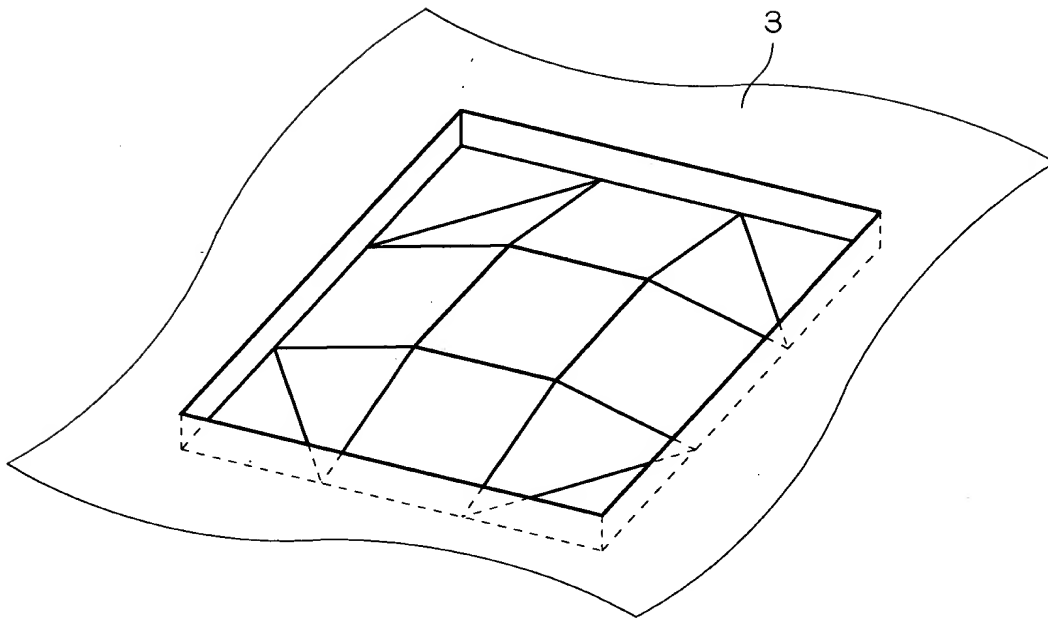


FIG. 4



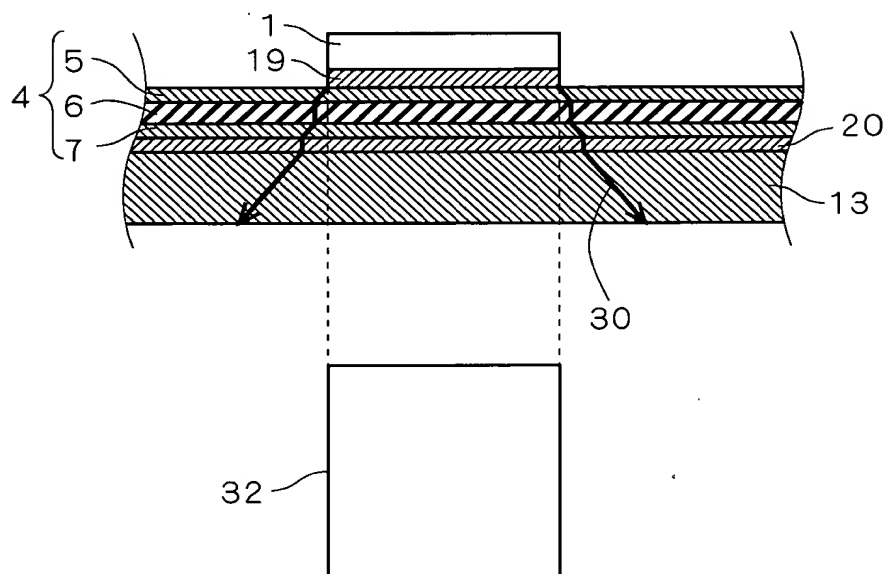
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FIG. 5



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F I G . 6 A



F I G . 6 B

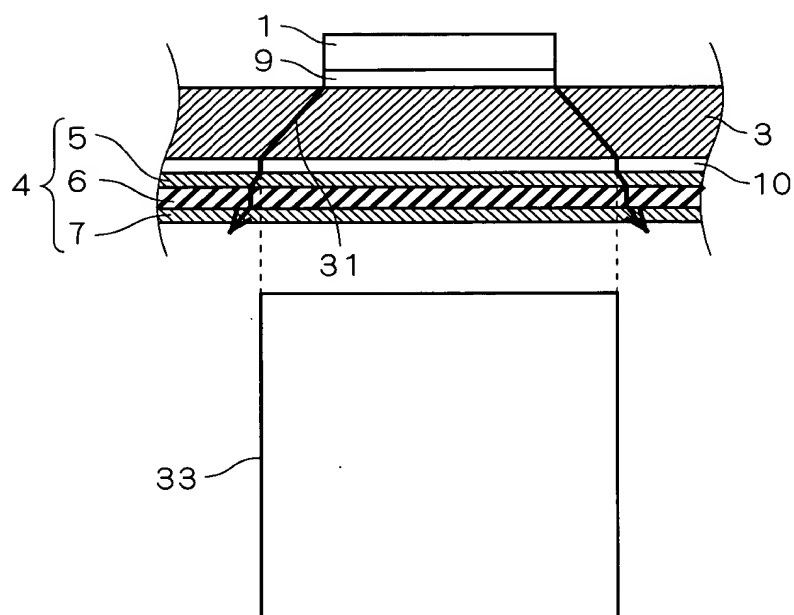
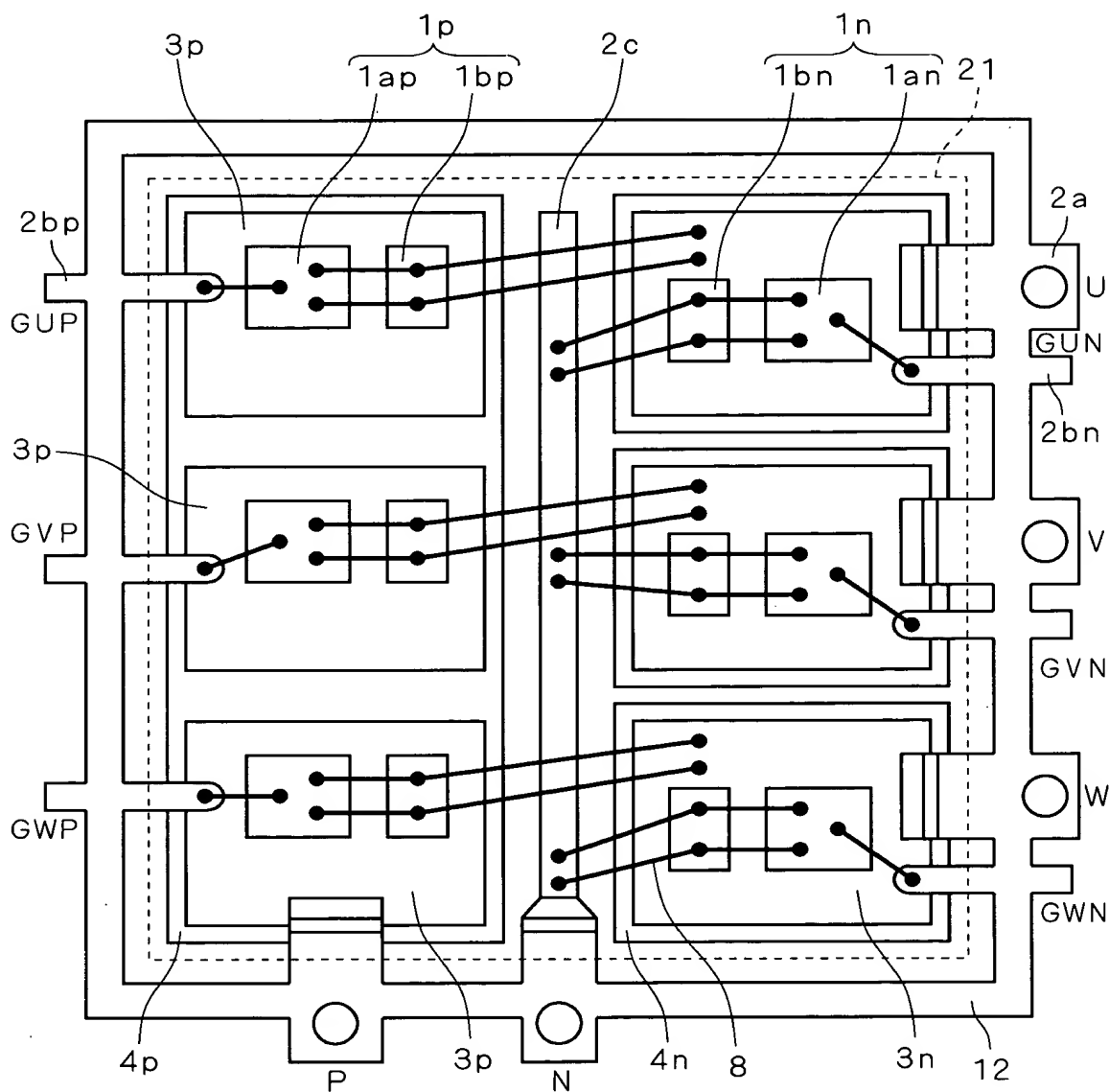
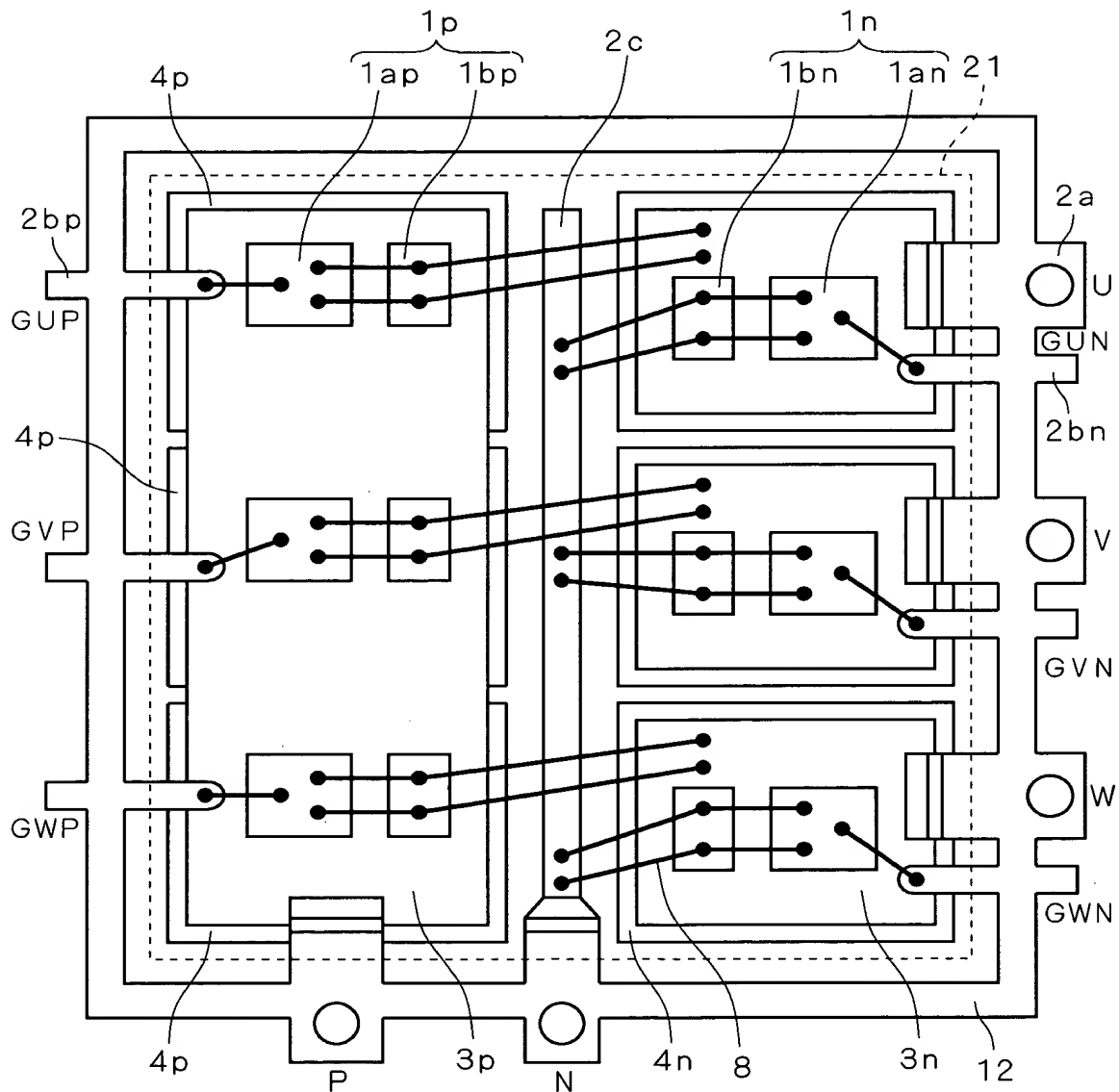


FIG. 7



F I G . 8



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FIG. 9

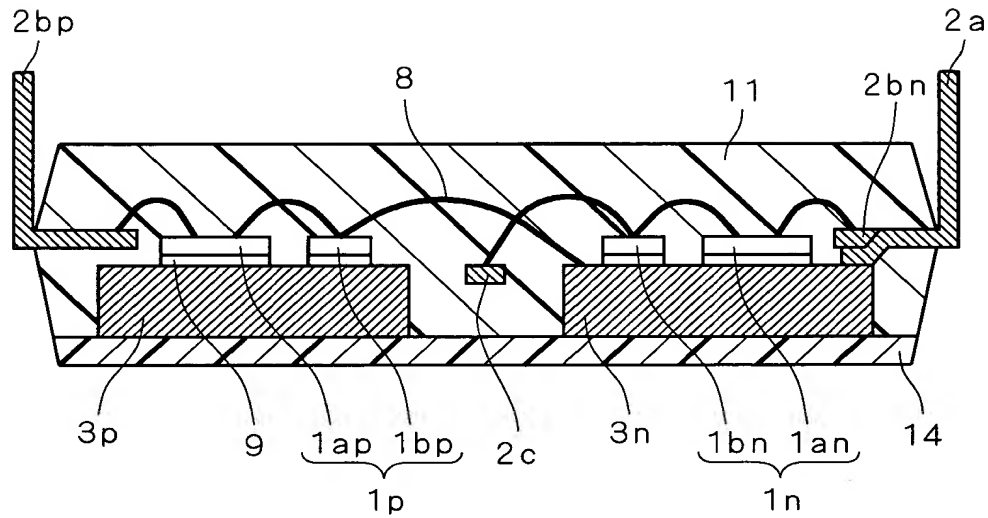


FIG. 10

